

1 This listing of claims will replace all prior versions, and listings, of claims
2 in the application:

3
4 **Listing of Claims**

5
6 Claim 1 (Original): A method comprising:
7 reading at least a subset of audio content comprising an audio file from
8 optical media removably integrated with an optical drive; and
9 analyzing at least the read subset of audio content to quantify optical drive
10 read accuracy; and
11 generating one or more metrics of optical drive read accuracy based, at least
12 in part, on the analysis of the read subset of audio content.

13
14 Claim 2 (Original): A method according to claim 1, wherein reading at
15 least a subset of audio content comprises:
16 reading a block of audio content; and
17 iteratively repeating the reading step using different block sizes.

18
19 Claim 3 (Original): A method according to claim 2, wherein analyzing
20 the audio content comprises:
21 comparing a first bundle of audio content from one sector of a block of
22 audio content to a second bundle of audio content from the one sector of the block;
23 and
24 measuring a difference in amplitude between the first bundle and the
25 second bundle to quantify intra-sector misalignment.

1
2 Claim 4 (Original): A method according to claim 3, wherein analyzing
3 the audio content further comprises:

4 comparing a last bundle of audio content from one sector of a block of
5 audio content to a first bundle of audio content from a subsequent sector of the
6 block of audio content; and

7 measuring an amplitude difference between the bundles to quantify inter-
8 sector misalignment.

9
10 Claim 5 (Original): A method according to claim 4, wherein the
11 subsequent bundle is immediately adjacent to the first bundle.

12
13 Claim 6 (Original): A method according to claim 4, further comprising:
14 adjusting one or more operational settings associated with the optical drive
15 based, at least in part, on the intra- and/or inter-sector misalignment.

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17 Claim 7 (Original): A method according to claim 4, wherein analyzing
18 the audio content further comprises:

19 comparing data associated with a left channel of a bundle with data
20 associated with a right channel of the bundle; and

21 measuring an amplitude difference between the left channel and the right
22 channel to quantify a channel offset.

1 Claim 8 (Original): A method according to claim 7, further comprising:
2 adjusting one or more operational settings associated with the optical drive
3 based, at least in part, on the intra-sector misalignment and/or the channel offset.

4
5 Claim 9 (Original): A method according to claim 1, wherein analyzing
6 the audio content further comprises:

7 comparing a last bundle of audio content from one sector of a block of
8 audio content to a first bundle of audio content from a subsequent sector of the
9 block of audio content; and one or more of:

10 measuring an amplitude difference between the bundles to quantify inter-
11 sector misalignment.

12 measuring an amplitude difference between data associated with a left
13 channel of a bundle and data associated with a right channel of the bundle to
14 quantify channel offset.

15
16 Claim 10 (Currently amended): A method according to claim 1, wherein
17 analyzing the audio content comprises:

18 comparing audio content within and between ~~[[to]]~~ two adjacent sectors to
19 quantify one or more of intra-sector misalignment, inter-sector misalignment
20 and/or channel offset metrics.

21
22 Claim 11 (Currently amended): A ~~machine-computer~~ readable medium
23 ~~having stored thereon a plurality of~~ comprising of executable instructions which,
24 when executed, implement ~~[[a]]~~ the method according to claim 1.

1 Claim 12 (Original): A computer system comprising:
2 a storage device having stored therein a plurality of executable instructions;
3 and
4 an execution unit, coupled to the storage device, to selectively execute at
5 least a subset of the plurality of executable instructions to implement a method
6 according to claim 1.

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8 Claims 13-15 (Canceled)
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